

CEMEPE AND SECOTOX CONFERENCE 2017

SUNDAY, JUNE 25

18:00-21:30 Registration (Grand Hotel Palace)

19:30-21:30 CEMEPE/SECOTOX Conference opening session

CHAIRS: A. Kungolos, K. Aravossis, C. Lapidou, P. Samaras, K.-W. Schramm, G. Marnellos

Opening remarks by officials

Invited lectures

Professor G. Tchobanoglous

“Planned potable reuse: The last frontier”

Professor H. Frank

“Environmental protection, a matter of science, technology, and ethics”

Professor. Y. Mylopoulos

“Metro engineering projects as sustainable development projects”

21:30 Welcoming reception at the Grand Hotel Palace

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ORAL PRESENTATIONS

MONDAY JUNE 26	ROOM A	ROOM B
	Ecotoxicology I CHAIRS: P. Ziegler, W. Jiraungkoorskul	Air quality I CHAIRS: F. Kehagia, D. Sarigiannis
09:00- 09:15	Invited speaker Pollution biomonitoring based on biomonitors and biomarkers, efficiency and limits. <i>A. Hamza-Chaffai</i>	Polybrominated diphenyl ethers (PBDEs), polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), and nitro-PAHs in household dust in Greece: implications for human exposure. <i>A. Besis, E. Botsaropoulou, D. Balla, D. Voutsas and C. Samara</i>
09:15 – 09:30	Cu accumulation in charophyte cell compartments after its exposure to nCuO and CuSO ₄ : reevaluation following improved isolation procedure. <i>B. Gylytė, S. Jurkonienė, K. Sadauskas, R. Vitkus and L. Manusadžianas</i>	Aggressive driving and its environmental impacts: a literature review. <i>A. Pouliou, F. Kehagia and M. Pitsiava-Latinopoulou</i>
09:30 – 09:45	Duckweed biomarkers for identifying toxic agents in aqueous samples? <i>P. Ziegler and K.-J. Appenroth</i>	Evaluation of the effectiveness of air pollution control measures in Hong Kong. <i>H. Guo, I. Simpson, F. Murray, S. Saunders, S. Lam, D. Blake</i>
09:45 – 10:00	ZnO nanoparticles affect growth, development, and thyroid histopathology in African clawed frog tadpoles. <i>C. Theodorakis, V. Garlapally and D. Jennings</i>	Application of luminol luminescent reaction for testing the oxidizing capacity of air particulate matter. <i>E. Morganti, M. Amorim, L. Bolelli, E. N. Ferri, L. Tositti, E. Brattich and S. Girotti</i>
10:00 – 10:15	Consequences of mercury (Hg) at an “environmentally safe” concentration on the Hepato-Nephrotoxic System (HSN) in <i>Bombus morio</i>	Sources of oxidative stress induced by ambient air PM _{2.5} . <i>D. Sarigiannis, S. Karakitsios and M. Kermenidou</i>

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	(Hymenoptera: Bombini) workers. <i>F.L.A. Nogueira, F.C. Abdalla, P.J. Bálamo and M.J. Costa</i>	
10:15 – 10:30	Ecotoxicity assessment of multicomponent mixtures of different origin (landfill leachate and biomass of harmful algae bloom) using aquatic species. <i>D. Montvydienė, T. Makaras, N. Kazlauskienė and S. Šulčius</i>	Silvicultural research into the ability of street trees to capture heavy metals in urban environment. <i>M. Vordoglou, T. Tsitsoni and T. Samara</i>
10:30 – 10:45	Toxicity of titanium nanoparticle via <i>Artemia salina</i> histology analysis. <i>S. Kachenton, N. Kangwanrangsang, T. Tansatit and W. Jiraungkoorskul</i>	Estimation of secondary organic carbon formation at two different Stations during winter and summer in Ankara (Turkey). <i>P. Faramarzi, S.Y. Aslanoglu, F. Ozturk, C. Saydam and G. Gullu</i>
10:45 – 11:00	Evaluation of some nano-metal oxide toxicities (nano-SiO ₂ , nano-HfO ₂ , nano-CeO ₂ , nano-Ta ₂ O ₅): Comparative investigations with Microtox bioassay, algae growth inhibition and <i>Daphnia magna</i> toxicity and their bioaccumulations. <i>N. Erdinçmer and D.T. Sponza</i>	
11:15 – 11:45	COFFEE BREAK	
11:45 – 12:10	ROOM A Plenary session Overview and analysis of rapid toxicity screening tests <i>G.Persoone</i>	

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	ROOM A	ROOM B
	Ecotoxicology II CHAIRS: G. Persoone, P. Karanis	Wastewater treatment and management CHAIRS: P. Gikas, C. Constantin
12:15 – 12:30	Cardiac function as a sensible biomarker of the exposure to Roundup Transorb® (glyphosate). <i>R. Z. Rissoli, S. E. Dal-Médico, F. U. Gamero, R. F. Salla, F. C. Abdalla, E. C. M. Silva-Zacarin, C. S. Carvalho and M. J. Costa</i>	Decentralized wastewater engineering in metropolitan areas. <i>P. Gikas, H. Leverenz and G. Tchobanoglous</i>
12:30 – 12:45	Larvicidal and histopathological studies of <i>Tinospora crispa</i> stem extract against <i>Culex quinquefasciatus</i> mosquito larva. <i>W. Jiraungkoorskul</i>	Minimization of membrane fouling in membrane bioreactors by the control of filamentous bacteria population. <i>D. C. Banti, P. Samaras, P. D. Karayannakidis and M. Mitrakas</i>
12:45 – 13:00	Evaluation of natural toxicological and geochemical risks in Pollino massif (Southern Italy). <i>P. Boccia, S. Margiotta, C. Meconi, A. Palma, P. Ragone, E. Sturchio, V. Summa and M. Zanellato</i>	Carmine (E120) removal from aqueous systems. <i>C. Constantin, L. Stoica, C. Munteanu and A. G. Bors</i>
13:00 – 13:15	Metals and pesticide for toxicity and natural attenuation potential assessments in soils: Bioremediation of agroecosystems and environmental preservation	Use of microsieves for primary wastewater treatment. Industrial scale application at the municipal wastewater treatment plant of Rethymnon, Greece. <i>N.-I. Batistatos and P. Gikas</i>

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	<p>areas in Brazil. <i>M. S. Vianna, J.R Thomaz, F. Marques, P. Gismonti, A.J.S. Neto and J.P.M. Torres</i></p>	
13:15 – 13:30	<p>Response of spring barley (<i>Hordeum vulgare</i> L.) to heavy metals mixtures exposure. <i>J. Žaltauskaitė, G. Sujetovienė, I. Januškaitienė, A. Dikšaitytė and R. Dagiliūtė</i></p>	<p>Treatment of fish processing wastewater by the active clay sediments process. <i>P. Gikas and S. Argyropoulos</i></p>
13:30 – 13:45		<p>Composition of innovative adsorbents to remove mercury from waste waters. <i>E. Karagianni, N. Papasiopi and Y. Hidenori</i></p>
13:45 – 14:00		<p>COD removal from metal plating wastewater by electro-oxidation process. <i>H. Cuce and H. Dulkadiroglu</i></p>
14:00 – 16:30	Lunch break (lunch is offered to conference participants)	
	ROOM A	ROOM B
	<p>Special session “Protection and management of the environmental matrices: advanced solutions” CHAIRS: A. Di Nardo, D. Musmarra</p>	<p>Special Session “Sustainable water and wastewater management and planning” CHAIRS: A. Zafirakou, V. Tsihrintzis</p>
16:30 – 16:45	<p>A fuzzy optimal protection system to reduce the odorous emission from an urban waste landfill. <i>A. Di Nardo, I. Bortone, S. Chianese, M. Di Natale, A. Erto, D. Musmarra and G. F. Santonastaso</i></p>	<p>Singapore’s water model: Potential application in the Aegean islands. <i>A. Mandiliotis and A. Zafirakou</i></p>
16:45 – 17:00	<p>Treatment of TMAH solutions from</p>	<p>Desalination plans using renewable water resources: a sustainable solution for the water problem in Cyprus.</p>

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	<p>microelectronic industry: a combined process scheme. <i>M. Prisciandaro, V. Innocenzi, I. De Michelis, F. Tortora, G. Mazziotti di Celso and F. Vegliò</i></p>	<p><i>E. Kolokytha, E. Evdokimou and Th. Porfiriadis</i></p>
17:00 – 17:15	<p>A smart optimization methodology of the pumping phase of a pump and treat system for groundwater remediation. <i>G.F. Santonastaso, I. Bortone, S. Chianese, M. Di Natale, A. Di Nardo, A. Erto and D. Musmarra</i></p>	<p>The impact of the economic crisis on water demand: the example of Xanthi-Greece. <i>M. Gratziou and E. Strataki</i></p>
17:15 – 17:30	<p>Capping techniques for PCBs contaminated sediment treatment in superficial water. <i>I. Bortone, M. Di Natale, G. Falcone and D. Musmarra</i></p>	<p>The benefits of re-using grey water. A preliminary study for the port of Thessaloniki. <i>A. Gatzoura, F. Tasios, A. Vantsiotis and A. Zafirakou</i></p>
17:30 – 17:45	<p>Optimal design of Adsorptive Barrier (PAB-D) for the groundwater remediation in multiple aromatic hydrocarbon contamination. <i>I. Bortone, S. Chianese, A. Di Nardo, A. Erto, D. Musmarra, V. Ottobrino, D. Karatza and G.F. Santonastaso</i></p>	<p>Upgrading a conventional wastewater treatment plant to a membrane bioreactor. Case study: WWTP of Nikiti – Chalkidiki. <i>A. S. Bagiouk, S. M. Bagiouk and E. N. Darakas</i></p>
17:45 – 18:00	<p>Polyether sulfone microfiltration membranes produced with DMSO EVOL™ as novel solvent. <i>T. Marino, S. Simone and A.</i></p>	<p>Microbial colonization of anaerobic biofilms: a mathematical model. <i>B. D'Acunto, G. Esposito, L. Frunzo, V. Luongo, M.R. Mattei and F. Pirozzi</i></p>

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	<i>Figoli</i>	
18:00 – 18:15	Molecular structure of humic acids: environmental applications. <i>V. Leone, S. Capasso, C. Esposito, S. Chianese, D. Musmarra and P. Iovino</i>	Nanotechnology enhanced membrane desalination – new advancements. <i>S. Papatzani and A. Zafirakou</i>
18:15 – 18:30	Effect of reactive core mat on in-situ remediation of contaminated marine sediment. <i>F. Todaro, M. Romanelli, V. Sorrenti, S. De Gisi and M. Notarnicola</i>	

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MONDAY JUNE 26	ROOM C	ROOM D
	Fate and transport of pollutants CHAIRS: B. Škrbić, I. Twardowska	Renewable energy sources CHAIRS:K. Katsifarakis, N. Theodossiou
09:00- 09:15	Effect of airborne element emission from the steel plant on soil pollution and metal enrichment in herbal cover in the vicinity area. <i>I. Twardowska, E.Miszczak, A. Łukasik and S. Stefaniak</i>	Scaling up the stagnant small-scale hydropower capacities in EU. <i>I Kougias, T Patsialis, N Kazakis, P Droege, S Szabó and N Theodossiou</i>
09:15 – 09:30	A New multi-objective routing optimization model for evaluating CO ₂ emission and cost: A case study in Turkey. <i>M. Kayacı Çodur, M. Yilmaz and M. Y. Çodur</i>	The Green island solution for Aegean Archipelago. The case of TILOS Project. <i>J.K. Kaldellis, D. Zafirakis and E. Kondili</i>
09:30 – 09:45	Telling the story of a sediment particle: its source and pathway. <i>T. Papanicolaou</i>	On the Use of a Laboratory-Scale Screw Wheel for Pico Hydropower Generation in Renewable Energy M.Sc. Education <i>A. Stergiopoulou, D. Stamatelou, V. Stergiopoulos, K. Tsigarida, G. Klironomos, S. Stavrakidis, M. Theodoridou, K. Mpavellas, G. Pallas, S. Chasioti, D. Nikas, D. Demetriadis, G. Abdel-Taouamb, E. Petrou, M. Syrganis, K. Panagopoulou, K. Rapti, G. Kanakidis, V. Georgopoulou and P. Gourdomichalis</i>
09:45 – 10:00	Heavy elements in flooded soil: Levels and risk assessment. <i>B. Škrbić, J. Živančev, N. Đurišić-Mladenović, I. Antić and J. Cvejanov</i>	Criteria and methodologies for onshore and offshore windfarm site selection: A literature review research. <i>A. Billy and D. Vagiona</i>
10:00 – 10:15	Measuring and modeling the transport and fate of hydrocarbons in the Gulf of	Demonstration of Good Practices to minimize impacts of Wind farms on Biodiversity in Greece - Presentation of the project LIFE12BIO/GR/000554.

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	Mexico. <i>V.H. Kourafalou, Y.S. Androulidakis, M. Le Hénaff, H. Kang, O. Garcia, C. Hu, C. Wettre and L. Hole</i>	<i>E. Tzen, K. Rossisa, J. Fricb, V. Goritsas, M. Tzali and A. Dimalexis</i>
10:15 – 10:30	An aggregated indicator of air-pollution impacts involved by transports. <i>Tshiabende Tshibwabwa, Ngalula Kabamba Nathalie, Luse Ngandu Marielle and Bintu Muana Jeanne</i>	Solar photovoltaic water pumping system for the development of rural areas: Applications in Tunisia. <i>J. Chakchak and N. Sabit Cetin</i>
10:30 – 10:45	Agroforestry systems for the protection of soil and groundwater from agrochemical pollution. <i>G. Pavlidis, V.A. Tsihrintzis and H. Karasali</i>	Energy self-efficiency on Greek islands: the case of Andros, Tinos, Mikonos. <i>Th. Klothaki and D. Vagiona</i>
10:45 – 11:00	Effects of biochar on sandy soil health under arid and semiarid conditions. <i>M.M. Abed El-Azeim and S. A. Haddad</i>	Effect of MgO And SiO ₂ Nanoparticle Additives on Performance and Exhaust Emissions of Diesel Fuelled Compression Ignition Engine. <i>T. Özgür, E. Tosun, C. Özgür, G. Tüccar and K. Aydın</i>
11:00 – 11:15		Investigation of Availability of Mustard Oil Biodiesel as an Alternative Fuel in Compression Ignition Engines <i>G. Tüccar, E. Uludamar, T. Özgür C. Özgür and E. Tosun</i>
11:15 – 11:45	COFFEE BREAK	
	Environmental economics CHAIRS: A. A. Zorpas, D. Latinopoulos	Energy and Environment CHAIRS: A. Bobat, N. Papasiopi
12:15 – 12:30	Assessing the perceived value of air quality improvement in an industrial region: The case of Kozani, Greece. <i>A. Saleptsis and Z. Mallios</i>	Energy recovery from domestic food wastes via microbiological processes. <i>I. Ntaikou, G., Antonopoulou, M. Alexandropoulou and G Lyberatos</i>

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12:30 – 12:45	Evaluation of the implemented Environmental Management Systems (ISO 14001-EMAS) in Cyprus in the framework of BRAVER. <i>L. Pantelitsa, I. Voukkali and A. A. Zorpas</i>	A social survey (2016-2017) on how the economic crisis affects peoples' attitudes towards the environmental subjects. <i>P. Kosmopoulos, A. Kantzioura, I. Kosmopoulos, K. Kleskas and A. M. Kosmopoulos</i>
12:45 – 13:00	The effect of using geoengineering technologies to stabilize global temperature on international climate agreements. <i>S. Rallakis and E. S. Sartzetakis</i>	An experiment on consumption of zebra mussels by freshwater crayfish, <i>Astacus leptodactylus</i> . <i>A. Bobat</i>
13:00 – 13:15	Effects of energy and environmental policy on the renewable energy industry: A comparison of the developed countries and developing countries. <i>J. Yoo, I. Han and K. Oh</i>	Modelling soil temperatures in grassland ground mounted solar photovoltaic parks. <i>M. Makaronidou, A. Armstrong and N. Kettridge</i>
13:15 – 13:30	Environmental technical efficiency and technological change in China. <i>L. Zhang and Keun Yeob Oh</i>	Development and monitoring of carbon dioxide emission inventories of municipalities – Challenges and opportunities. <i>K. Angelakoglou, G. Gaidajis and I. Kakanis</i>
13:30 – 13:45	Economic rehabilitation of local population in the post - mining situation. <i>A. Jamal, R. Kumar, R. Varshney, S. Shirin, S. Ratan and A. Kumar Yadav</i>	Legal aspects of the installation of wind power stations in forests/forest areas <i>A. Douka</i>
13:45 – 14:00	Sustainable supply chain network design with water footprint consideration: A strategic optimisation model. <i>E. Aivazidou and D. Vlachos</i>	Estimating transportation energy demand in Turkey using the Adaptive Neuro Fuzzy Inference System. <i>M.Y. Çodur, A. Ünal and A. Atalay</i>
14:00 – 14:15	Willingness to undertake the	

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	environmental responsibility by the irrigators. <i>D Lazaridou., A. Michailidis, P. Stefanidis and M. Trigkas</i>	
14:00 – 16:30	Lunch break (lunch is offered to conference participants)	
	Industrial waste CHAIRS: V. Karayannis, M. Y. Çodur	Waste monitoring and management CHAIRS: N. Doğan-Sağlamtimur, E. Baltas
16:30 – 16:45	Solvent extraction of zinc, iron and chromium from chromium(III) passivation baths by Cyanex 272. <i>F.J.Alguacil, N. Dibanb and A.Urtiaga</i>	Production of geopolymer building materials with sodium silicate activator by using waste foundry sand: A reuse study. <i>N. Doğan-Sağlamtimur, A. Bilgil, Ş. Acar and E. Bilginol</i>
16:45 – 17:00	Transformation of biomedical waste incineration ash into sustainable ceramics. <i>V. Karayannis, A. Baklavaridis, P. Samaras, A. Domopoulou and E. Papastergiadis</i>	A municipal solid waste management assessment guide for waste management plans and reporting. <i>A. Mitsikas and K. Aravossis</i>
17:00 – 17:15	Potential CO ₂ utilization in a symbiotic network: Case study in NE Greece. <i>I. Kakanis, G. Gaidajis and K. Angelakoglou</i>	Rainwater and leachate management at sanitary landfills. The case of the residue sanitary landfill of Alexandroupolis. <i>S. Sigourou and N. Theodossiou</i>
17:15 – 17:30	The effect of color parameter in acute toxicity measurements through luminescence inhibition method. <i>V. Z. Sönmez and N. Sivri</i>	The impact of circular economy policy in insular communities and difficulties for implementation. <i>L. Pantelitsa, A. A. Zorpas, M. Jeguirim, L. Limousy, D. M. Pociovalisteanu and J. Navarro-Pedreño</i>
17:30 – 17:45	Immobilization of heavy metals in waste phosphate coating sludge using kiln dust as Portland cement substitute. <i>G. Eker and V. Pinarli</i>	Reuse of walnut, hazelnut and pistachio shells to produce dye. <i>T. Çivioğlu, R. Arabacioğlu, N. Doğan-Sağlamtimur and E. Turaç</i>

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17:45 – 18:00	A case study on environmental management of denim factory for sustainable production in Turkey. <i>A. Pala and M. Saribudak</i>	A data-driven approach for waste management evaluation in Turkey. <i>I. Bereketli Zafeirakopoulos</i>
1800 – 18:15		

Tuesday JUNE 27	ROOM A	ROOM B
	Pollution control technologies CHAIRS: P. Melidis, E. Darakas	Environmental impact assessment and risk analysis I CHAIRS: A. Muhammetoglu, S. Tugrul
09:00- 09:15	Biological and filtration process control in a Membrane Bioreactor. <i>K. Azis, P. Melidis and S. Ntougias</i>	Environmental assessment of conventional building materials combining life cycle analysis method and multi-criteria analysis models. <i>K. Sentzas, L. Pekas, I. Voukkali, P. Loizia, and A.A.Zorpas</i>
09:15 – 09:30	Water softening plant residuals management. <i>A. P. Mathews</i>	Effectiveness evaluation of Environmental Impact Assessment process. <i>M. Lampridi , G. Baniyas, K. Pediaditi, Ch. Achilles and E. Sartzetakis</i>
09:30 – 09:45	Spectroscopic evaluation of modified biosolids. <i>E. Giannakopoulos, E. Isari, S. Alexandropoulou, K. Bourikas, H. K. Karapanagioti and I. Kalavrouziotis</i>	Using <i>Pinus halepensis</i> trees as bioindicators of heavy metal pollution. <i>N. Nanos, M Torrijos, M. Escuer, C. Gutierrez and JA Rodríguez Martín</i>
09:45 – 10:00	Removal of polycyclic aromatic hydrocarbons (PAHs)-contaminated sediments by persulfate	Artificial intelligence in atmospheric PM10 forecasting in public and environmental management. <i>G.N. Kouziokas, K. Perakis and A. Chatzigeorgiou</i>

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	<p>oxidation and their cytotoxicity based on human cell lines. <i>C.-W. Chen, M.-L. Tsai, C.-D. Dong, and C.-M. Hung</i></p>	
10:00 – 10:15	<p>Treatment of acrylic fiber manufacturing wastewater with UV Based AOPs. <i>W. Szeto, D.Y.C. Leung, H.B. Huang and J.T Li</i></p>	<p>Long-term impacts of human-induced eutrophication on the distinct chemical properties of Black Sea oxic-suboxic waters. <i>S. Tugrul</i></p>
10:15 – 10:30	<p>Particle size distribution: a tool to evaluate the effect of ultrasonication on biological treatability. <i>H. Dulkadiroglu</i></p>	<p>Pesticides risk assessment for two karstic aquifers in Turkey and Morocco. <i>R. Keyikoglu, Y. Azzi, A. Muhammetoglu, Ali Essahlaoui, A. El Hmaid, A. El Ouali and H. Muhammetoglu</i></p>
10:30 – 10:45	<p>Pollution control technologies in Turkey with the contribution of EMSA-CleanSeaNet service. <i>T. Sahin and S. Can</i></p>	<p>Eutrophication assessment, classification and management in the Northeastern Mediterranean Sea. <i>S. Tugrul, K. Ozhan and I. Akçay</i></p>
10:45 – 11:00	<p>Degradation of disperse red 167 dye by Fenton oxidation process. <i>Ö. Gökkuş and F. Çiner</i></p>	<p>Assessing the impact of hazardous waste on children's health: the exposome paradigm. <i>D. Sarigiannis</i></p>
11:00- 11:15	<p>Efficient removal of F- from water by mesoporous Ce-Fe bimetal oxide. <i>U. Kumar Sahu, M. Kumar Sahu, and R. Kishore Patel</i></p>	<p>Advanced modeling of adipose:blood partition coefficient for environmental chemicals. <i>D. Sarigiannis, K. Papadaki and S. Karakitsios</i></p>
11:15 – 11:30	<p>In vitro evaluation of cytotoxicity induced by persulfate oxidation of BTEX and MTBE in zebrafish (<i>Danio rerio</i>) embryonic cells. <i>C.-D. Dong, M.-L. Tsai, C.-</i></p>	

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	<i>W. Chen, and C.-M. Hung</i>	
11:15 – 11:45	COFFEE BREAK	
	Sensors, biosensors, biomarkers and smart environmental monitoring CHAIRS: C. Laspidou, K.-W. Schramm	Environmental impact assessment and risk analysis II CHAIRS: K. Abeliotis, N. Vlachopoulos
11:45 – 12:00	Structure and stability of anatoxin-a, anatoxin-a(S), saxitoxin and cylindrospermopsin complexes with cyclodextrins. <i>S.M. Strati, T. Papadimitriou, C.S. Laspidou, K.A. Kormas and Y.G. Lazarou</i>	Environmental impacts of WEEE collection and reuse. <i>K. Abeliotis, A. Potouridis, C. Chroni and K. Lasaridi</i>
12:00 – 12:15	Development of a ready to use cryo-micro-EROD assay for the analysis of food and feed control samples. <i>F. Mertes, A. Loa, L. Rink, P. Uciechowski, M. Maywald, W. Levy and K.-W. Schramm</i>	Environmental monitoring and risk assessment of 65 small arms firing ranges in Canada. <i>E.M. Skordaki and N. Vlachopoulos</i>
12:15 – 12:30	Eco-friendly development of an early warning system in struggle of <i>Varroa</i> destructor. <i>S. Sevin and S. Mutlu</i>	Economic and environmental comparison of UF/MF versus conventional pretreatment for SWRO systems. <i>P. Mudza</i>
12:30 – 12:45	Enhancing urban sustainability through social innovation: citizen environmental sensing for air quality monitoring. <i>M. Angelidou and A. Psaltoglou</i>	Opening up of a Greek mountainous forest area for utilization of forest roads and forest fire protection. <i>S.-A. G. Liampas, C. C. Stamatiou and V. C. Drosos</i>
12:45 – 13:00	Exposure assessment of multiple chemicals starting from biomonitoring data. <i>D.A. Sarigiannis, Handakas, A. Gotti and S. Karakitsios</i>	Experience with the use of multispecies microbial assays for whole effluent assessment (WEA) as part of a risk based approach (RBA) to effluent management in the oil and gas industry. <i>T. Dando, C. Phillips and C. Ross</i>
13:00 – 13:15	Can Agent Based Modelling,	Assessment of public health risk from arsenic using biomarkers

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	coupled with sensors data, be used for personal exposure assessment? <i>D. Chapizanis, S. Karakitsios and D. Sarigiannis</i>	and toxicokinetic modeling <i>D. Sarigiannis, S. Karakitsios and I. Furxhi</i>
13:15 – 13:30	Development and testing of a low cost air quality microsensor device. <i>Th. Sioumis and K. Karatzas</i>	Risk-based solvent selection using pinch analysis in the presence of environmental constraints. <i>V. Kazantzi, M.K. Kazi, F. Eljack, M.M. El-Halwagi and N. Kazantzis</i>
13:30 – 13:45		Pathway analysis of prenatal combined exposure to heavy metals and phthalates related child motor development. <i>D.A. Sarigiannis, K. Polanska, W. Hanke, A. Salifoglou, A. Gabriel, N. Papaioannou, E. Handakas and S. Karakitsios</i>
14:00 – 16:30	Lunch break (lunch is offered to conference participants)	
15:30- 16:30	General Assembly of SECOTOX Members	
	ROOM A	ROOM B
	GIS and remote sensing CHAIRS: A.O. Dogru and Z. Mallios	Spatial and urban planning CHAIRS:G. Kollaros and P. Kosmopoulos
16:30 – 16:45	Assessment of mesoscale model improvements using satellite data. <i>T. Nitis, G. Tsegas and N. Moussiopoulos</i>	Eco-choros: a prototype ecological and zero energy demand housing complex in northern Greece. <i>P. Kosmopoulos, L. Chalatzidou, Ch. Chasan, Cr. Gouzeli, D. Kameni, G. Karkanias, K. Nikolaidou, K. Stefanopoulos and El. Titoni</i>
16:45 – 17:00	Developing a GIS based open platform for spatial evaluation of renewable energy sources in Turkey. <i>A.O. Dogru, D. Z. Seker, T. Sen and E.N. Ozkilic</i>	A holistic approach in support of air quality for future green and resilient cities. <i>D.A. Sarigiannis, A. Gotti, S. Karakitsios and E. Matiaki</i>
17:00 – 17:15	Delineation of fertilizing management zones using remote sensing and GIS at field scale. <i>A. Papadopoulos, D. Kalivas</i>	Spatial impacts of transportation infrastructure in urban environments. <i>G. Kollaros and A. Athanasopoulou</i>

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	<i>and S. Theocharopoulos</i>	
17:15 – 17:30	Investigation of the optimal locations for sitting PV plants in the section of Halkidiki, by using GIS. <i>D. Kanari and D. Latinopoulos</i>	The protective and recreational role of peri-urban forest and its connection with the city. The case study of Thessaloniki. <i>T.Tsitsoni, V. Stavrinou and M. Tsakaldimi</i>
17:30 – 17:45	Development of a webGIS tool to assess the accuracy of spatial interpolators in oceanographic studies. <i>D. Kitsiou, G. Tsegas, T. Nitis and A. Patera</i>	Sustainable mobility in cities with intense terrain case study of Kavala. <i>K. I. Lantitsou and V. Profyllidis</i>
17:45 – 18:00	Environmental change detection in northern Istanbul using remotely sensed data. <i>R.M. David, C. Goksel and A.O. Dogru</i>	Effect of surrounding landscape on driving behavior. <i>M.Vaiou, F.Vlachou and F. Kehagia</i>
18:00 – 18:15	Road corridor landslide susceptibility mapping in Bhutan using GIS <i>S. Pasang and P. Kubiček</i>	Major highway projects impacting biodiversity and water resources. <i>G. Kollaros and A. Athanasopoulou</i>
18:15 – 18:30	Usage of Geostatistics for air quality monitoring in megacities; Case study of Istanbul. <i>A.O. Dogru, D. Z. Seker, E. Ergin and B. Bayram</i>	
18:30- 18:45		

Tuesday JUNE 27	ROOM C	ROOM D
	Water pollution I CHAIRS: M. Sarioglu, F.J. Alguacil	Water resources engineering and management I CHAIRS: P. Yannopoulos, E. Kolokytha

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09:00- 09:15	Treatment of ammonia in aqueous solution by photocatalytic process with applying bias potential. <i>Y. Ku, W. C. Chi and H. C. Wu</i>	Area-wide optimization program for water and sewage treatment plants across Canada. <i>N. Vlachopoulos, and E. M. Skordaki</i>
09:15 – 09:30	Oxygen demand of waters associated with the use of sewage sludge compost and limestone outcrop as filtration system. <i>A. Pérez-Gimeno, J. Navarro-Pedreño, M.B. Almendro-Candel, I. Gómez and A.A. Zorpas</i>	Drinking water quality and safety assessment – a review. <i>S. Tsitsifli and V. Kanakoudis</i>
09:30 – 09:45	Treatment of automotive industry wastewater using nanofiltration membrane. <i>M. Sarioglu (Cebeci) and T. Torun</i>	Extension of an integrated hydroeconomic model of Lake Karla basin, under management, climate and pricing scenario analysis. <i>A. Alamanos, C. Fafoutis, G. Papaioannou and N. Mylopoulos</i>
09:45 – 10:00	Investigation of oxidation and mineralization of Dimethoate Pesticide - an endocrine disruptor using response surface methodology and Fe ⁺² process. <i>M. Yalili Kilic, S.K. Akal Solmaz, G.E. Üstün and S.H. Azak</i>	Correction technique of quick river discharge estimates based on water volume and mass pollutant balances: Nonlinear model. <i>E. Bekri, P. Economou and P.Yannopoulos</i>
10:00 – 10:15	Batch and continuous ion-exchange operation for the removal of toxic metals from aqueous wastes: the system arsenic(V)-Lewatit MP64 resin. <i>F.J. Alguacil and E. Escudero</i>	Integrated water resources management in small islands. The case study of Chios. <i>D. Kakoulas and S. Golfopoulos</i>

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10:15 – 10:30	Synthesis, characterization and adsorption studies of ZnO nanoparticles for removing methyl orange and amaranth dyes from aqueous solution. <i>M.-N. Zafar, Q. Dar, F. Nawaz and U.-A. Rana</i>	A methodology for the estimation of the water balance in GIS environment. <i>A. Dallios and Z. Mallios</i>
10:30 – 10:45	Removal of hexavalent chromium from aqueous solution using alginate-wheat straw composite. <i>Ş. Parlayıcı, T. Altun and E. Pehlivan</i>	Assessment of the impact of changes in climate and land use/land cover on ecosystem services of a river watershed in Peninsular India. <i>A. Sharma, M. Khan and M. Kumar Goyal</i>
10:45 – 11:00	Toxic metal enrichment and accumulation in lake sediment –Case study Sapanca Lake. <i>A.Ateş and H.Demirel</i>	Groundwater vulnerability to agricultural pollution for two karstic aquifers in Turkey and Morocco. <i>A. Cil, Y. Azzi, A. Amil, F. Yenilmez, A. Muhammetoglu, N. N. Ozyurt, A. Essahlaoui, A. El Hmaid, A. El Ouali and H. Muhammetoglu</i>
11:00 – 11:15	Carbon nanotubes and graphenes as adsorbents for adsorption of toxic metals from drinking water. <i>Y. M. Aydin, V. Uyak and Hacer Sule Gonul</i>	Spatial statistics and climate data modeling. <i>S. Sotiriadou and Z. Mallios</i>
11:15 – 11:45	COFFEE BREAK	
	Water pollution II CHAIRS: D. Voutsas, Y. Uysal	Special Session “Sustainable energy processes: Anaerobic processes” CHAIRS: P. Samaras, G. Marnellos
11:45 – 12:00	Interacting heated buoyant jets in a calm and uniform environment. <i>M. Stefanidou, A. Dimas and P. Yannopoulos</i>	Anaerobic fluidized bed membrane bioreactor treatment of domestic wastewater for the recovery of water, nutrients, and energy. <i>C. Shin, E. Lee and J. Bae</i>
12:00 – 12:15	Investigation of industrial wastewater treatment using	Mesophilic anaerobic co-digestion process of swine manure and olive mill waste with cheese whey.

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	ultrafiltration membrane. <i>M. Sarioglu (Cebeci) and E. N. Urlu</i>	<i>T. Kasampalis, T. Kotsopoulos, G. Perkoulidis, S. Kalamaras, N. Moussiopoulos and G. Martzopoulos</i>
12:15 – 12:30	Determination of perfluorinated chemicals (PFOA/PFOS) in surface water samples in Kahramanmaras, Turkey. <i>Y. Uysal and Y. Uras</i>	Effect of lipolytic enzymatic pretreatment in the anaerobic digestion of fat, oil and grease (FOG). <i>D. Sarigiannis, F. Kaldis, P. Katapodis, M. Lioti, R. Fried and I. Zarkadas</i>
12:30 – 12:45	Iodinated trihalomethanes: a new class of emerging DBPs. <i>I. Pantelaki and D. Voutsas</i>	Ex-situ biogas upgrading and enhancement in upflow reactors via hydrogen assisted methanogenesis. <i>P.G. Kougiyas, L. Treu, I. Bassani and I. Angelidaki</i>
12:45 – 13:00	Removal of Pb ²⁺ from aqueous solution using citric acid modified hazelnut shell and commercial cellulose. <i>T. Altun, Ş. Parlayıcı and E. Pehlivan</i>	Installation and operation process of a biogas production unit, in Kolchiko, Lagkadas, Greece. <i>V. Mourtidis, T. Sfetsas, A. Martzopoulou, G. Ntinis and T. Kotsopoulos</i>
		Special Session “Sustainable energy processes: Fuel Cells” CHAIRS: M. Sievers, C.S. Psomopoulos
13:00 – 13:15	Status of Gomati River water in Lucknow City (India), with special reference to water quality and heavy metal pollution indices. <i>Pooja Goel, Abhishek Saxena and Dhruv Sen Singh</i>	Direct conversion of biomass to electricity in a Co-CeO ₂ YSZ Ag solid oxide fuel cell. <i>N. Kakkidis, M. Neophytou, G.E. Marnellos and M. Konsolakis</i>
13:15 – 13:30	Developing a modified trophic state index for shallow lakes. <i>A. Alkis, S. Tunay and R. Koklu</i>	Evaluation of microbial fuel cells with graphite plus Co ₃ O ₄ paints as oxygen reduction cathode catalyst by using different forms of TiO ₂ . <i>B. Jiang, T. Muddemann, U. Kunz, D. Haupt, M. Niedermeiser, H. Bormann, O. Schläfer and M. Sievers</i>
13:30 – 13:45	Removal of As(III) from water by activated CO ₂ -neutralized red mud.	Advances in microbial fuel cell development for wastewater treatment application. <i>M. Sievers, B. Jiang, D. Haupt, T. Muddemann, H. Bormann,</i>

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	<i>M. Kumar Saha, R. Patel</i>	<i>M. Niedermeiser, O. Schläfer, U. Kunz, R. Henkel and T. Hickmann</i>
		Special Session “Sustainable energy processes: Energy efficiency”
13:45 – 14:00	Bottled water and the human right to water. <i>D. Koumparou</i>	Evaluation of energy recovery perspectives from residual forest biomass in Grevena prefecture. <i>N. Chatziapostolou, G. Perkoulidis and N. Moussiopoulos</i>
14:00- 14:15		MSW to energy in Dhaka landfill: A method of sustainable solid waste management. <i>K. Asad and N. Khandaker</i>
14:15 – 14:30		Current state of the Waste-to-Energy industry globally. <i>K. Patsiouras, C.S. Psomopoulos and N. J. Themelis</i>
14:00 – 16:30	Lunch break (lunch is offered to conference participants)	
	Water resources engineering and management II CHAIRS: C. Tzimopoulos, A. Psilovikos	Cultural heritage and architectural issues CHAIRS: I. Frangopoulos, E. Pehlivan
16:30 – 16:45	Fuzzy regression in hydrological case. <i>C. Tzimopoulos, K. Papadopoulos and B. Papadopoulos</i>	Energy upgrade of houses by using autodesk revit software case study: Macedonian building in northern Greece. <i>K. I. Lantitsou, S. M. Bagiouk, S. S. Bagiouk and G. D. Panagiotakis</i>
16:45 – 17:00	The interaction between the water level and the diversification of land uses in the Vegoritida’s lake catchment. <i>L. Karamoutsou and A. Psilovikos</i>	Fountain culture and the role of historical fountains in Turkey: Vitalizing the city of Bursa. <i>E. Pehlivan and F. Pehlivan</i>
17:00 – 17:15	Software development of water balance parameters estimation at a river basin level. <i>D. Papadopoulou, Z. Mallios, K. Voudouris and N.</i>	Bicycle role and enhancement in cultural heritage of Thessaloniki. <i>S. M. Bagiouk, S. S. Bagiouk and A. E. Agiou</i>

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	<i>Grigoriadis</i>	
17:15 – 17:30	Water infrastructure projects sustainability and environmental footprint: current status and prospects <i>E. M. Kondili, C. Papapostolou and J. K. Kaldellis</i>	Data reduction for indoor modelling of historical building by using terrestrial laser scanning technique. <i>B. Bayram, D. Z. Seker, T. Bakirman, O. Selbesoglu, H. Catal Reis, D. Eskiçirak, Z. Duran and A.O. Dogru</i>
17:30 – 17:45	Comparison and economic appraisal of various methods used for the delineation of wellhead protection zones <i>I.Siarkos, E. Terzanidou, S. Sevastas and D. Latinopoulos</i>	Cultural heritage and creative cities: An example of sustainable urban regeneration from Northern Greece. <i>S. M. Bagiouk and E. Sofianou</i>
	Synthesis, characterization and assessment of groundwater defluoridation potential of trimetal Mg/Ce/Mn oxide-modified diatomaceous earth. <i>W.-M. Gitari and A.-A. Izuagie</i>	Environmental education CHAIRS: C. Skanavis, S. Kamaroudis
17:45 – 18:00	The influence of humic acids extracted from Chaouia soil on the behavior of transition metal ions and pesticides. <i>S.Bougarrani, S.Akel, A.Bouziani, L.Latrach, Z.Baicha and M.El Azzouzi</i>	Electromagnetic fields and health: education to a safer use of mobile phone among teenagers in roman schools. <i>C. Giliberti, S. Salerno, M. Zanellato, P. Boccia and E. Sturchio</i>
18:00 – 18:15		Community wind as a key to increasing public's acceptance of wind farm installations in Aegean Islands: The case of Skyros Island. <i>C. Skanavis, A.Kounani and K. Antonopoulos</i>
18:15 – 18:30		A project exploring the reasons linked to consumer-related food waste, involving three Italian school. <i>E. Sturchio, M. Zanellato, P. Boccia, C. Meconi L. Cellai, V.</i>

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		<i>Macino and U. Mazzanti</i>
18:30 – 18:45		The Art of compiling and sorting out the Language of Environmental Engineering: Creating a bilingual scientific dictionary. Theoretical aspects of Lexicography and their practical implementation in the field of Environmental Engineering. <i>S. Christidou, A. Kungolos and S. Kamaroudis</i>

WEDNESDAY, JUNE 28
Optional field trip to Chalkidiki or Vergina and Mountain Olympus
21:00 BANQUET

THURSDAY JUNE 29	ROOM A	ROOM B
	Air quality II CHAIRS: N. Moussiopoulos, C. Samara	
09:00- 09:15	Concentrations of Perfluorinated Chemicals in central air-conditioner filter dust in Greece. <i>A. Besis, E. Botsaropoulou, A. Katsoyiannis, L. G. Hanssen and C. Samara</i>	
09:15 – 09:30	Is airborne transmission of <i>Toxoplasma gondii</i> possible? <i>A. Lassa, B. Szostakowska, K. Korzeniewskic, and P. Karanis</i>	
09:30 – 09:45	Assessment of indoor and outdoor particulate matter concentrations for households	

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	in Ankara (Turkey). <i>B. Karakas, S.Y. Aslanoglu, and G. Gullu</i>	
09:45 – 10:00	Revealing relationships between environmental data with the aid of computational intelligence methods: the Thessaloniki air quality case. <i>N. Katsifarakis, K. Konstantinidis and K. Karatzas</i>	
10:00 – 10:15	Cancer risk associated to combined chemical and radiological indoor exposure in Greece and Bulgaria. <i>D. Sarigiannis and S. Karakitsios</i>	
		Workshop organized by A. Stergiadou Illegal logging, wood heating and air pollution I
10:15 – 10:30	Suspended particulate matter and management system on air pollution in mines. <i>A. Kumar Yadav, S. Shirin and A. Jamal</i>	Illegal Logging is an one way ticket to deforestation at crisis times <i>A. Stergiadou</i>
10:30 – 10:45	Air quality management and the development of a carbon footprint model for highways: the case of Egnatia Odos S.A. in Greece. <i>Th. Valkouma</i>	Illegal logging in Slovenia, information and prevention system <i>J. Krč</i>
10:45 – 11:00	Use of secondary fuels in the cement industry as a Best Available Technique, in the implementation of Circular Economy goals as a lever for sustainable development in	

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	Greece. <i>S. Panagopoulos, V. Tryfona and A. Kungolos</i>	
11:00 – 11:30	COFFEE BREAK	
	Tourism and Environment/Coastal Planning and Policy CHAIRS: V. C. Drosos, W. Sulisz	Workshop organized by A. Stergiadou Illegal logging, wood heating and air pollution II
11:30 – 11:45	Development of a policy framework for forest tourist destinations with an application of SWOT-AHP hybrid method. <i>C. C. Stamatiou, S.-A. G. Liampas and V. C. Drosos</i>	The Implementation of EU Regulation 995/2010 in Greece <i>E. Alexiou</i>
11:45 – 12:00	Sustainable tourism in protected areas: The case of Mandria Park in the complex of Venaria Reale, Italy. <i>E. Gkrimpa and M. Tratsela</i>	Economic crisis and wood heating <i>K. Papaspyropoulos</i>
12:00 – 12:15	City branding – the city of Thessaloniki. <i>K. I. Lantitsou, A. Anastasiadis and E. Anastasiou</i>	Air pollution rise by wood heating in Athens <i>Representatives of Greek Ministry of Environment and Energy</i>
12:15 – 12:30	Vulnerability to erosion of the Bellsund coast. <i>W. Sulisz , D. Majewski, L. Suszka, M. Paprota and D. Veic</i>	Round Table - Discussion and potential solution of the current situation
12:30 – 12:45	Numerical modeling of water waves impact on a horizontal deck. <i>D. Majewski and W. Sulisz</i>	
12:45 – 13:00		

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13:00 – 13:15		
14:00 – 16:30	Break	
	ROOM A	
	Special Session “The use of indicators in environmental management, sustainable development and planning” CHAIRS: D. Vagiona, E. Thoidou	
16:30 – 16:45	Methodological framework for the development of a sustainable urban management model against impacts caused by transient populations. <i>E. Feleki, C. Vlachokostas, A.V. Michailidou and N.Moussiopoulos</i>	
16:45 – 17:00	The role of spatial planning in the mitigation of natural disasters effects: a systemic review of resilient indicators. <i>A. Papageorgiou and G. Gemenetzi</i>	
17:00 – 17:15	Evaluation of the sustainability level of the municipality of Thessaloniki through the creation of a unified system of indicators. <i>P. Ntailiani and D. Vagiona</i>	
17:15 – 17:30	Common characteristics of Mediterranean cities reinforcing the establishment of an urban sustainability assessment model. <i>E. Feleki, C. Vlachokostas and N. Moussiopoulos</i>	
17:30 – 17:45	Designing a system of Local Indicators for Sustainable Development: an application to the municipalities of Kalamaria and Kordelio- Evosmos. <i>N. Kazolea and V. Chrysostomou</i>	
17:45 – 18:00	Spatial planning and land-related indicators: land take and evidence from Greece. <i>E. Thoidou</i>	
18:00 – 18:15	Coastal Vulnerability Index (CVI): Modifications and applications. <i>M. Tzoufi and D. Vagiona</i>	
18:15 – 18:30	Measuring the sustainability of tourism development in Palio Kavala – Greece through an indicator based approach. <i>M. Makrydaki, A. Misiou and D. Vagiona</i>	

THURSDAY JUNE 29	ROOM C	ROOM D
	Ecosystems analysis and protection CHAIRS: S. A Haddad, T. Tsitsoni	Environmental legislation and policy CHAIRS: L. Manusadzianas, V. Tryfona

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09:00- 09:15	Qualitative and quantitative analysis of the Greek transboundary surface water bodies' characteristics <i>A.Kotoudi, V. Liapis, Ch. Skoulikaris and A.Zafirakou</i>	Two-level test-battery approach for routine effluent control in Lithuania. <i>L. Manusadžianas, K. Sadauskas, R. Vitkus, B. Gylytė, R. Karitonas, A. Krevš, A. Kučinskienė, N. Kazlauskienė and J. Žaltauskaitė</i>
09:15 – 09:30	How roadside vegetation affects biodiversity. <i>A. Stergiadou and M.-P. Alepopoulou</i>	Polar Code and its effects on marine environmental protection. <i>T. Satır and N. Doğan-Sağlamtimur</i>
09:30 – 09:45	Plant growth, microbial and enzymes activity of soils ecosystem contaminated with heavy metals. <i>S. A. Haddad, M. MR. M. Ahmed, and M. M. Abd El-Azeim</i>	How forest cadaster affect land use. <i>A. Stoka and A. Stergiadou</i>
09:45 – 10:00	Impact of erosion on soil physical properties in some selected sites in Imo state, Nigeria. <i>S. O. Ihuoma, A. A. Amori, and P. N Egbuikwem</i>	Potentially contaminated sites pose a hazard for development of Moravian Silesian region. <i>B. Vojvodíková, J. Tylčer and M. Vojvodík</i>
	Global Climate Change CHAIRS: M. Y. Çodur and H. Guo	European policy on climate change: A comparative analysis between two member states: Greece and Cyprus. <i>K. Liparou and S. K. Golfopoulos</i>
10:00 – 10:15	The contribution of open green spaces in the adaption of cities in climate change. The case study of Thessaloniki. <i>T. Tsitsoni, D. Papagiannopoulou and A. Kontogianni</i>	
10:15 – 10:30	Trend analysis of air temperature data for climate	

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	change in Istanbul. <i>D. Odabasi Cingi and D.E. Akyuz</i>	
11:00 – 11:30	COFFEE BREAK	
	Environmental Restoration CHAIRS: A. Xenidis, Y. Tao	Sustainable Production and Consumption CHAIRS: M. Gratziou, A. Zabaniotou
11:30 – 11:45	Sustaining Recreational Parks through Energy Renovation. The Case of the "Antonis Tritsis" Park in Attica, Greece. <i>G. Tzanes, Sp. Tassoulis, E. Kondili and J.K. Kaldellis</i>	Re-planning and reconstruction by bioclimatic design principles and natural building: The case study of Flamourio nursery. <i>K. Savvanidis, M. Gratziou and K. Lantitsou</i>
11:45 – 12:00	Forest Road Construction Site and how to choose machinery friendly to the natural environment. <i>A. Stergiadou and E. Flamouri</i>	The impact of irrigation and green manure on corn biomass and grain production in Central Greece. <i>A. Karyoti, D. Bartzialis, M. Sakellariou-Makrantonaki, and N.G. Danalatos</i>
12:00 – 12:15	Removal of phenanthrene and Cu from soil with combined Tween80/EDTA extracting agents. <i>Y. Tao and H. Zhang</i>	The carbon footprint analysis of the Pinglin Tea-making community. <i>L. Li</i>
12:15 – 12:30	A pilot scale investigation of green nanoiron mobility and efficiency for Cr(VI) removal from contaminated aquifers. <i>C. Mystrioti, A.Toli, N. Papasiopi, D. Dermatas and A. Xenidis</i>	Interior/External factors affecting time management in aviation and an application on the reasons of delay. <i>S. S. Ateş and M. Çeliktaş</i>
12:30 – 12:45	Selective adsorption of phenanthrene from Tween 80 solution using biochars from walnut shell. <i>X. Zheng, H. Lin, Y. Tao and H. Zhang</i>	Recyclable materials and other quarrymen by-products as building materials in forest roads. <i>A. Stergiadou, Ch. Karapanagiotidis and Ch. Stergiadis</i>

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12:45 – 13:00		Sustainable use of terrestrial and marine biomass resources: biomaterials and biochar production in the context of circular bio-economy. <i>P. Kamaterou and A. Zabaniotou</i>
13:00 – 13:15		Rational management of soil nutrients in greenhouses of Crete island, Greece. <i>E. Hatzigiannakis, A. Panagopoulos, A. Ilias, P. Dalambakis, I. Vrouhakis, K. Karyoti, G. Arampatzis and T. Karyotis</i>

FRIDAY, JUNE	ROOM A
10:30- 12:00	Round table: Wrapping up the conference and concluding remarks CHAIRS: G. Persoone, K. Aravossis, A. Zafirakou, S. Girotti, N. Zafar

POSTER PRESENTATIONS

MONDAY JUNE 26, 2017			
Morning session (11:00 – 14:00)			
A0 1	Determinations of estrogens in water by using a novel reverse osmosis pre-concentration method with subsequent in vitro analysis. <i>C. Wangmo, E. Rozmánková, A. Otoupalíková and M. Bittner</i>	A1 1	Spatial variations in geochemical properties of surface sediments along the Northeastern Mediterranean coastal regions. <i>I. Akçay, S. Tugrul and K. Ozhan</i>
A0 2	Response of oxidative stress biomarkers in fish for evaluating water pollution. <i>I. Nteli, A. Patsia, D. Bobori and M. Kaloyianni</i>	A1 2	Cost-benefit analysis for a Hybrid renewable energy system in Fournoi island. <i>M. Bertsiou, E. Feloni and E. Baltas</i>
A0 3	Effect of kaolinite on adsorption of cadmium by carbon nanotubes and the change of acute toxicity to <i>Daphnia magna</i> . <i>S.Y. Lee, M.H Jang, Y.S. Hwang, Y.T. Kim, K.W. Kim</i>	A1 3	Methodological framework for the optimization of the hydrometeorological and hydrometric stations network in the district of Evia, Greece. <i>T. Kemeridis, E. Feloni and E. Baltas</i>

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	<i>and S.D. Kim</i>		
A04	Morphological and histochemical analysis of the action of cadmium on the liver of bullfrog tadpoles (<i>Lithobates catesbeianus</i>). <i>A.C. Batista, E.C.M. Silva-Zacarin; F.C. Abdalla and M.J. Costa</i>	A14	Hydrological and geomorphological analysis in the Municipality of Florina. <i>A. Bournas, E. Feloni and E. Baltas</i>
A05	The levels of suspended particles in different areas of Western Macedonia. <i>V. Evagelopoulos, A. Kelessis, F. Litou, P. Kassomenos, S. Zoras, D. Sotiropoulos and M.J. Petrakakis</i>	A15	Adverse effects of household/expired drugs on non-target marine species: an integrated approach with the use of a battery of biomarkers in hemocytes of mussels. <i>N. Politakis, A. Chatzipantazis, A. Belavgeni, I. Efthimiou and S. Dailianis</i>
A06	Photochemical pollution over a ten years period in the two largest Greek cities. <i>A. Kelessis, V. Kostea, P. Kassomenos, E. Remoundaki E, V. Evagelopoulos and M.J. Petrakakis</i>	A16	Quarries Environmental Footprint in the framework of Sustainable Development. The case study of Milos Island. <i>G. T. Goudouva, I. Voukkali, P. Loizia and A.A. Zorpas</i>
A07	Forest fire events and air quality load During 2005-2014 in Greece. <i>J. Agiannidis, P. Kassomenos, A. Kelessis, A. Paschalidou and V. Evagelopoulos</i>	A17	Development of a GIS toolbox for automated estimation of soil erosion. <i>S. Stefanidis, C. Chatzichristaki and P. Stefanidis</i>
A08	Assessment of SO _x exposure to the inhabitants at the outskirts of highways by using Eucalyptus and <i>Azadirachta indica</i> as bioindicators. <i>Humaira Aslam, Muhammad Adnan Iqbal, Haq Nawaz Bhatti and Khurram Ali</i>	A18	CO ₂ valorization for bio-products from microalgae: supercritical fluid extraction optimization. <i>A. Molino, P. Casella, G. Di Sanzo, V. Larocca, D. Karatza, E. Hristoforou, S. Chianese and D. Musmarra</i>
A09	Geochemical mobility of heavy elements in arable soil from flooded area. <i>B. Škrbić, I. Antić, J. Živančev, N. Đurišić-Mladenović and J. Cvejanov</i>	A19	The main gaseous pollutant levels and PM _{2.5} physico-chemical characterization in Rome urban area: preliminary results. <i>C. Fanizza, F. Incoronato, F. Ietto, E Sturchio, M. Inglessis, M. Ferdinandi, M. E. Soggiu and B. De Berardis</i>
A10	Biodegradation of olive mill wastewater phenolic compounds in thermophilic anaerobic digestion and their toxicity in digested effluent. <i>C. Genethliou, S. Dailianis and M. Kornaros</i>	A20	
Afternoon session (16:30- 18:30)			

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A2 1	Lettuce irrigation with pistachio wastewater: Quality of leachates and risk for groundwater reservoirs. <i>P. Kostopoulos, Y. Trogianos, A. Papadopoulos, M. Psychogiou, E. Diplarou and M.K. Doula</i>	A3 0	Neighborhood, the human scale in environmental urban planning. <i>K. I. Lantitsou</i>
A2 2	Monitoring system design for illicit drugs utilizing GIS in Istanbul. <i>S. Mercan, A.O. Dogru, A. Safran, U. Kartal, Z. Turkmen, M. Kuloglu, M. Acikkol and F. Asicioglu</i>	A3 1	Eco-development opportunities and environmental planning of space in Pomakochoria villages of prefecture of Xanthi. <i>K. I. Lantitsou</i>
A2 3	Physicochemical and microbial characterization of olive mill wastewater (OMWW) from three different regions in Algeria. <i>A. Saiba, A. Badis and S. Kourdali</i>	A3 2	Assessing mountainous riparian areas of North Greece adjacent to forested and rural areas with the use of GIS, SVAP and QBR. <i>I.-K. Kasapidis, G. Giatas, G. Pagonis, P. Kiourtziadis, V. Iakovoglou and G.-N. Zaimis</i>
A2 4	Environmental research on factors of comfort conditions and microclimate in urban open spaces. <i>P. Kosmopoulos and K. Michalopoulou</i>	A3 3	Linking habitat degradation to human activities and pressures; map inventories and outputs from the EU MERCES project. <i>N. Papadopoulou, T. Dailianis, V. Gerovasileiou, K. Sevastou, C. J. Smith, T. Amaro, T. Bekkby, M. Bilan, C. Boström, E. Cebrian, C. Cerrano, R. Danovaro, D. Fiorentino, S. Fraschetti, K. Gagnon, C. Gambi, A. Grehan, B. Hereu, S. Kipson, J. Kotta, C. Linares, M. Milanese, T. Morato, H. Ojaveer, H. Orav-Kotta, A. Sarà, R. Scrimgeour and E. G. Tunka-Eronat</i>
A2 5	The integration of an urban seaborne transport system to the city's socio-economic environment through the enhancement of multimodal interoperability. <i>E. Verani, A. Sdoukopoulos, N. Gavanas, A. Tsakalidis, S. Vougias and M. Pitsiava-Latinopoulou</i>	A3 4	Effects of phenol and chlorophenols on the performance of a continuous flow activated sludge bioreactor. <i>V. Inglezakis, D. Doskaliyev, A. Rizuan, A. Tabyldiyev, B. Kuspangaliyeva, B. Abylkhani, D. Tarassov, A. Jetybayeva, Y. Myngtay, D. Zhalmuratova, P. Loizia and A.A. Zorpas</i>
A2 6	Evaluation of the quality of bicycle infrastructure in the city of Larissa, Greece: Technical specifications versus user perception. <i>A. Sdoukopoulos, E. Verani, N. Gavanas, A. Nikolaidou, A. Tsakalidis and M. Pitsiava-Latinopoulou</i>	A3 5	Evaluation of environmental sustainability for a water treatment plant via life cycle approach. <i>A.Saad, N. Elginov, F. Germirli Babuna and G. Iskender</i>
A2 7	Urban waste management, landfills and N.I.M.B.Y.: Socio-spatial dimensions through the European, national experience and practice. The case of the landfills in the	A3 6	The effect of wastewater reuse on product quality for an oven manufacturing plant. <i>Guclu Insel, Efe Gumuslu, Emine Ubay Cokgor, Tugba</i>

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	Region of Pella. <i>Y. Frangopoulos, E. Kolovou and D. Kourkouridis</i>		<i>Olmez-Hanci, Didem Okutman Tas, Fatos Germirli Babuna, Derya Firat Ertem, Okmen Yildirim, Ozge Erturan and Nadir Dizge</i>
A2 8	Research regarding the microclimatic conditions at an urban center. <i>A. Kantzioura and P. Kosmopoulos</i>	A3 7	An experimental study of rheological properties of xanthan gum. <i>K. Benyounes, A. Mellak and A. Benmounah</i>
A2 9	A methodological approach for the assessment of sustainable urban mobility indicators using social media data. <i>A. Sdoukopoulos, A. Nikolaidou, M. Pitsiava-Latinopoulou and P. Papaioannou</i>	A3 8	Sustainable urban mobility indicators: Review and metrics of the state of the art. <i>A. Sdoukopoulos and M. Pitsiava-Latinopoulou</i>

TUESDAY, JUNE 27, 2017

Morning session (11:00 – 14:00)

B0 1	Long- and mid-term shoreline displacement along the Chania Bay, Greece. <i>V. Loukaidi, G.-A. Hatiris, P. Drakopoulou, M. Kouvari, T. Christodoulou,, I. Panagiotopoulos, D. Vandarakis, A. Sioulas, C. Anagnostou and V. Kapsimalis</i>	B1 0	Study of the hydrocarbon distribution in the sediments of three areas of Italian coasts by means of GC chromatography supported by two-dimensional correlation analysis. <i>M. Mecozzi and M. Pietroletti</i>
B0 2	Poly(2-acrylamido-2-methyl-1-propanesulfonic acid) gel for competitive removal of Cu(II), Ni(II) and Zn(II) ions from aqueous solutions. <i>S. Çavuş, I. Vergili, Y. Kaya, G. Gürdağa and Z.B. Gönder</i>	B1 1	Differentiation between food and non food packaging for the estimation of the plastic debris sources in the marine environment. <i>M. Mecozzi, L. Nisini and F. Peleggi</i>
B0 3	Investigation of clofibric acid removal from water by a magnetic ion exchange resin. <i>R. Altunterim and I. Vergili</i>	B1 2	Comparing hydrological models built upon open access and/or measured data in a GIS environment. <i>S. Sevastas, I. Siarkos, N. Theodossiou, I. Ifadis and K. Kaffas</i>
B0 4	New desulfurization technology for SO _x reduction with positive net environmental impact based on MgO reagents. <i>P. Vayionas, P. Papageorgiou, T. Efstathiadis, A. Kalfas, H. Yiannoulakis and T. Zampetakis</i>	B1 3	Marine reverse osmosis desalination plant operation-a case study. <i>Chen Jin-Zeng</i>

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B0 5	Utilisation of bean hull (<i>Phaseolus vulgaris</i>) for biosorption of Cypermethrin from surface water of agricultural farm settlement. <i>Ayodele Rotimi Ipeaiyeda and Oluwole Kehinde Osho</i>	B1 4	Technical study and construction of the Propylon of Monastery of Virgin Archangeliotissa in Xanthi and formulation of the surrounding space. <i>K. I. Lantitsou</i>
B0 6	Preliminary research of VOCs decomposition using dielectric barrier discharge in pilot scale. <i>Nguyen Hoang Phuong, Mijeong Park and Youngmin Jo</i>	B1 5	The loss of children-nature interactions. <i>C. Panagopoulou, E.-A. Panagopoulou and K. Mitsis</i>
B0 7	Preparation of fibrous CO ₂ adsorbent by electrospinning method. <i>Dongwon Jeong, Mijeong Park, Yeonsoo Park and Youngmin Jo</i>	B1 6	Valorization of industrial powdery by-products in the advanced oxidation of wastewaters. <i>A. Domopoulou, K. Tsiptsias, N. Koukouzas, P. Samaras and V. Karayannis</i>
B0 8	Waste compositional analysis during flights. <i>N. Ttofali, I. Voukkali P. Loizia, and A. A. Zorpas</i>	B1 7	Microbial stability of alternative diesel fuels. <i>C.E.Tsesmeli, G.S.Dodos and F. Zannikos</i>
B0 9	Determination of Environmental Foot print of typical houses (from reinforced concrete) under subtropical climate changes using GaBi - LCA model: A case studies from Cyprus. <i>L. Pekas, K. Sentzas, I. Voukkali, P. Loizia and A. A.</i>	B1 8	Decision support system based on indicators and artificial intelligence in public and environmental management. <i>G.N. Kouziokas</i>
Afternoon session (16:30- 18:30)			
B1 9	Accumulation of heavy metals to activated sludge, dependent on process parameters. <i>E. Lember, K. Pachel and E. Loigu</i>	B2 7	Determination of jewelry-related Nickel as a reason of allergic contact dermatitis. <i>S. Mercan, S. Semen, M. Yayla, H. Ertem Vehid, Z. Turkmen, U. Celik, B. Engin, M. Acikkol</i>
B2 0	Comparison of river water quality indexes at Lower Sakarya River-a case study. <i>A. Alkis, S. Tunay and R. Koklu</i>	B2 8	Setting-up a materials science laboratory. <i>G.Z. Kyzas, R. Kosheleva, K. Kiourtzidis, E. Bibaj, K. Lysigaki, A. Rodana and A.C. Mitropoulos</i>
B2 1	Electrochemical removal of copper from wastewater by electrosorption/electrodesorption process. <i>K. Dermentzis, D. Stergiopoulos and P. Giannakoudakis</i>	B2 9	Climate change as sociogenic process. <i>D. Koumparou</i>
B2 2	Mineralization of Procion red reactive dye by electrooxidation at boron doped diamond electrodes. <i>D. Stergiopoulos, K. Dermentzis and P. Giannakoudakis</i>	B3 0	Interspecific stress changes photosynthetic parameters of barley and barnyard grass at different climate conditions. <i>I. Januškaitienė, A. Dikšaitytė, J. Žaltauskaitė, G. Sujetovienė, D. Miškelytė, G. Kacienė, R. Juknys, R. Dagiliūtė, S. Sakalauskienė and J. Miliauskienė</i>

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B2 3	Treatment of carwash wastewater by electrocoagulation using Ti electrode: Optimization of the operating parameters. <i>Z. B. Gönder, G. Balcioğlu, Y.Kaya and I. Vergili</i>	B3 1	Integrating GIS, Multi Criteria Decision Analysis and Remote Sensing to monitoring anthropogenic pressures over forest reserves. <i>P. C Kuchler, O. R. Vergara and A. C.Passos</i>
B2 4	Bioplastics from winemaking industry wastes. <i>S. Beglaryan, C. Samori, R. Conti, L. Vogli, S. Righi, M. Gyalai-Korpos, P. Galletti and E. Tagliavini</i>	B3 2	Activated carbon adsorption of selected pharmaceuticals: Carbamazepine, Diclofenac, Paracetamol, Sulfamethoxazole. <i>Y. Kaya, G. Yalimai, Z.B. Gönder, I. Vergili and G. Yilmaz</i>
B2 5	Rehabilitation and development of cultural heritage of listed building “KIRTSI KHAN” in historical center of Thessaloniki. <i>S. M. Bagiouk, S. Chatzigeorgiou and A. S. Bagiouk</i>	B3 3	Applications of remote sensing and GIS systems in solid waste management case study developing area in the west bank. <i>S. M. Bagiouk, M. N. Albayyouk, A. S. Bagiouk and S. S. Bagiouk</i>
B2 6	Heavy metals in the surface sediments of river estuaries located on Kaohsiung coast, Taiwan. <i>Y. C. Lim, C.D. Dong, C.F. Chen, Y.R. Ju, and C.W. Chen</i>	B3 4	Distribution and potential biological effects of di(2 ethylhexyl)phthalate (DEHP) in sediments of Love River, Taiwan. <i>C.F. Chen, C.W. Chen, Y. C. Lim, Y.R. Ju, and C.D. Dong</i>

THURSDAY, JUNE 29, 2017

Morning session (11:00 – 14:00)

C0 1	The evolution of the legislation on thermal springs in Greece. <i>S. E. Chachami-Chalioti, Ch. Zavraklis, C. Emmanouil and A. Kungolos</i>	C1 2	Source apportionment of heavy metals in Sapanca Lake Basin. <i>H.Demirel, A.Ateş, R.Köklü, Ş. Doğruparmak, H. Altundağ, and B.Şengörür</i>
C0 2	Treatment and valorization of avocado oil for the development of the green economy in Morocco. <i>A.Slita, N. Filali, M. El Azzouzi and M.Alaoui El Belghiti</i>	C1 3	Analyses of water resources monitoring for the implementation of Nitrates Directive (91/676/EEC) in Turkey. <i>A. Panagopoulos, A. Karyoti, T. Karyotis and A. Kasaci</i>
C0 3	Preparation of avocado oil from its waste: Expired and agriculture products. <i>N.Filali, A.Slita, A. Bouziani, M.Azzouzi, A.Ezrineh, S.Kitane and M.Aloui Elbelghiti</i>	C1 4	Ecotourism and environmental spatial planning in mountainous traditional villages of the Thassos island. <i>K. I. Lantitsou</i>
C0 4	Comparative corrosion inhibition study of carbon steel in 1M HCl anthranilamide and complex Cu(anthra) ₂ Cl ₂ .	C1 5	Do we trust in ecolabels? Perceptions and awareness of students on eco-labelling.

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	<i>N. Gharda, H. Benassaoui, M. Allali, L. Saqalli, N. Habbadi, A. Souzi, N. Hajjaji, R. Ghailane and Y. Peres-lucchese</i>		<i>R. Dagiliūtė, G. Klakauskaitė, J. Žaltauskaitė, G. Sujetovienė and I. Januškaitienė</i>
C0 5	Water quality assessment of surface- and ground-water bodies of Evros river basin: inorganic contaminants. <i>A. Tsaboula, EN. Papadakis, A. Kotopoulou, K. Kintzikoglou, Z. Vryzas and E. Papadopoulou-Mourkidou</i>	C1 6	Pre-treatment of manure from cows and pigs as medium for enhanced algae growth. <i>O. Schläfer, M. Niedermeiser and M. Sievers</i>
C0 6	Color removal from textile wastewater by using fish scales as natural adsorbent. <i>Y. Uysal, A. Canbakış, E. Atıcı, A. Dizle and Y. Arıkan.</i>	C1 7	Vertical distribution of nutrients and trace elements in cultivated alluvial soils of Central Greece. <i>A. Karyoti, D. Bartzialis, K. Giannoulis and N. Danalatos</i>
C0 7	The contribution of microscopy to chemical and ecotoxicological approaches in the environmental risk assessment of coal tar polluted soils. <i>C. Lors, J.-F. Ponge and D. Damidot</i>	C1 8	Transport of heavy metals through silica spongolite and activated carbon treatment zones. <i>J. Fronczyk and K. Pawluk</i>
C0 8	Rural renaissance through synergies of land and sea communities. <i>T. Panagopoulos, M.D.C. Antunes, P. Karanikola and L. Lakoova</i>	C1 9	A laccase biosensor for organochlorine bioremediation monitoring at the Ocoy Indigenous Reserve, Brazil. <i>M. S. Vianna, F. Marques, P. Gismonti, E.A Machado; A.J.S. Neto and J.P.M. Torres</i>
C0 9	Removal of methylene blue from wastewater using iron oxide nanoparticles, eggshell powder and their composite. <i>I. Aslam, M. Amjad, N. Ahmed and M.-N. Zafar</i>	C2 0	Fluorimetric biosensor for the study of competitive adsorption of glyphosate: An indicator in risk assessment. <i>M. S. Vianna, F. Marques, P. Gismonti, A.J.S. Neto and J.P.M. Torres</i>
C1 0	Aided phytostabilisation of copper contaminated soil using halloysite. <i>M. Radziemska, Z. Mazur and M. D. Vaverkova</i>	C2 1	Product output that can be carbon-rich soil conditioner via pyrolysis. <i>A.Ongen, V.Z. Sonmez, E. Elmaslar Ozbas, D. Bayat, B. Elonu and N. Sivri</i>
C1 1	Climate Change trends and adaptation governance among mountain communities across western Carpathians and Central Himalayas. <i>Tek Jung Mahat and Ludek Blaha</i>	C2 2	Concentrations and origin of aliphatic hydrocarbons, PAHs, PCBs and DDTs in sediments of Butrint Lagoon, SW Albania. <i>V. Kapsimalis, L. Moisiu, C. Durmish, I. Hatzianestis, I.P. Panagiotopoulos and G.-A. Hatiris</i>